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Attorney Docket No. 101792-200

U.S. Serial No. 10/077,727

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**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Complete Listing of Claims:**

1 - 41. Canceled

42. (New) A method of making biocidal composite particles having a shell and a core, said method comprising reacting pyrithione acid or a water-soluble salt of pyrithione with copper from a copper-containing compound selected from the group consisting of surface oxidized copper powder, cuprous oxide, copper hydroxide, and combinations thereof, in an aqueous media in order to cause transchelation of said pyrithione acid or said pyrithione salt, thereby forming the composite particles, wherein said core consists essentially of said copper-containing compound, and said shell consists essentially of copper pyrithione formed from said transchelation reaction, wherein said copper-containing compound has a water solubility of no greater than about 10 ppm.

43. (New) The method of claim 42 wherein said copper-containing compound is cuprous oxide.

44. (New) The method of claim 42 wherein said pyrithione salt is selected from the group consisting of sodium pyrithione, potassium pyrithione, lithium pyrithione, ammonium pyrithione, tert-butyl amine pyrithione, calcium pyrithione, dithiobis (pyridine-N-oxide), a magnesium salt adduct of dithiobis (pyridine-N-oxide), and combinations thereof.

45. (New) The method of claim 44 wherein said pyrithione salt is sodium pyrithione.

46. (New) The method of claim 42 wherein the copper pyrithione and the core are present within a weight range of ratios from 1:20 to 20:1 of copper pyrithione relative to the core.

47. (New) The method of claim 46 wherein the copper pyrithione and the core are present within a weight range of ratios from 1:10 to 10:1 of copper pyrithione relative to the core.

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48. (New) The method of claim 42 wherein said aqueous media is water.

49. (New) The method of claim 42 comprising reacting said pyrithione acid or said water-soluble salt of pyrithione with copper from said copper-containing compound in the presence of a dispersant or a surfactant.

50. (New) A method of making biocidal composite particles having a shell and a core, said method comprising reacting a water-soluble salt of pyrithione with copper from cuprous oxide in water in order to cause transchelation of said pyrithione salt, thereby forming the composite particles, wherein said core consists essentially of said cuprous oxide, and said shell consists essentially of copper pyrithione formed from said transchelation reaction.

51. (New) A biocidal composition comprising composite particles, each of said composite particles containing a shell and a core, said core consisting essentially cuprous oxide, and said shell consisting essentially of a copper pyrithione formed by reaction of a water-soluble salt of pyrithione with copper from said cuprous oxide.